

CLAIMS

WHAT IS CLAIMED:

1. A process inhibiting alopecia, comprising the increase in the cellular amount
5 of hair keratins.
2. The process according to claim 1, wherein hair keratins are added to the cells.
- 10 3. The process according to claim 2, wherein the hair keratins are present in the form of DNA expressing the same.
4. The process according to any one of claims 1 to 3, wherein the gene expression of substances activating hair keratins are added to the cells.
- 15 5. The process according to claim 4, wherein the substances are present in the form of DNA expressing the same.
6. The process according to any one of claims 1 to 5, wherein the hair keratins
20 comprise Ha1, Ha2, Ha3, and Ha4.
7. The process according to claim 4 or 5, wherein the substances comprise the gene product of the whn gene and/or the expression of substances activating the whn gene.
- 25 8. A system of identifying alopecia-inhibiting substances, comprising the increase in the cellular amount of hair keratins and/or of substances activating the gene expression thereof.
9. The system according to claim 8, wherein the system comprises cells in
30 which one or several expressing hair keratin genes are present in fused form with a reporter gene.

10. The system according to claim 8 or 9, wherein the hair keratins comprise Ha1, Ha2, Ha3, and Ha4.

11. The system according to any one of claim 8 to 10, wherein the system
5 comprises cells in which one or several expressible substances activating the gene expression of hair keratins are present in fused form with the reporter gene.

12. The system according to any one of claims 8 to 11, wherein the substances comprise a gene product of the whn gene.

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13. The system according to any one of claims 9 to 12, wherein the reporter gene codes for an enzyme.

14. The system according to any one of claim 9 to 12, wherein the reporter gene
15 codes for a fluorescent protein.

15. The system according to any one of claims 9 to 14, wherein the fusion genes are present in extrachromosomal form.

16. The system according to any one of claims 9 to 14, wherein the fusion genes
20 are integrated in the cell genome.

17. The system to any one of claims 9 to 16, which also comprises substances for the detection of the expressed hair keratins and/or of substances activating the gene
25 expression thereof and fusion genes, respectively.

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